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SOURCE Newspapers as indicated.

NOTES DEVELOPMENTS IN METAL, MINING INDUSTRIES

NEW TYPE OF BRONZE TO REPLACE BERYLLIUM -- Nachrichten fuer Aussenhandel, .
No 22, 18 Mar 50

The people-owned enterprise Sonderbronze (special bronze), Berlin-Ober-
schoeneweide, displayed a new kind of bronze at the Leipzig Fair which is used
in the manufacture of spark-proof tools. The producer claims that this bronze
is a 100-percent substitute for the formerly used beryllium.

ENLARGE IRONWORKS -- Nachrichten fuer Aussenhandel, No 29, 15 Apr 50

The Doehlen Ironworks near Dresden will be enlarged into one of the most
modern high-quality steel mills in Germany, in order to be able to satisfy the
demand for all of East Germany. Production is to start early in 1951. Three
electric furnaces, with capacities of 3, 5, and 10 tons, will be installed.
The first rolling mill is being installed at present.

FINISH NEW GIANT EXCAVATOR -- Nachrichten fuer Aussenhandel, No 29, 15 Apr 50

The Buckau-Wolf Machine Factory of the Soviet "Amo" Machine-Building Cor-
poration in Magdeburg, has completed work on a giant excavator weighing 170
tons. With its 40-meter jib and a bucket holding 3.5 cubic meters, this ex-
cavator can clear 200 cubic meters per hour. It will be used for brown-coal
strip mining in the Nachterstedt area.

INTRODUCE NEW MACHINES -- Rude Pravo, No 9, 11 Jan 50

The coal loader, which was built at the Zdenek Nejedly Mine at Sous (Most
okres) can fill 150 carts, that is, about 11.5 carloads, during one shift.

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- 1 -

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The Ministry of Technology recently approved a new device as the best proposed means for plastering walls mechanically. The machine is equipped with rotary shovels made of rubber, which pick up mortar from a special drum and plaster the wall. The mobile machine can plaster 50 square meters of wall space per hour, and can be serviced by unskilled labor. It can plaster a wall strip 60 centimeters wide and up to 3.5 meters high in one pick-up. A prototype is already being produced by a state enterprise.

1949 CZECH COAL PRODUCTION -- Hospodar, No 1, 5 Jan 50

A total of 17,041,150 tons of black coal and 26,523,000 tons of brown coal was mined in Czechoslovakia in 1949.

REACH MAXIMUM CAPACITY IN BROWN COAL MINING -- Nachrichten fuer Aussenhandel, No 10, 4 Feb 50

Maximum capacity in brown-coal strip mining and in briquette manufacture was reached during 1949 in East Germany, according to Gustav Sobottka, head of the Coal Department in the Ministry for Industry. Only opening new strip mines and increasing briquette manufacturing facilities can increase the capacity.

The 1949 supply of construction materials for new mines and briquette factories did not even meet the planned allotment, which was already too low. For example, 90 percent of the allotment of pipes, 80 percent of the allotment of rails and sheet metal, 60 percent of the allotment of section iron, and 50 percent of the bearing metal allotment were not actually received. In addition, there has been a shortage of electric locomotives, cars for clearing work, and briquette presses.

Brown coal requirements in 1953 are expected to be 55 percent higher than they were in 1949.

UNCOVER RICH COPPER MINE IN SANGERHAUSEN -- Taegliche Rundschau, No 116, 21 May 50

Geological investigations indicate that copper mining in the newly opened Sangerhausen district should prove highly profitable. The northern section, between Wittelrode, Lengefeld, and Sangerhausen, covers an area of approximately 6 million square meters, with a pure copper content of 65,000 tons. The southern section, between Sangerhausen, Niederroeblingen, and Einzig, covers an area of .19.5 million square meters and contains approximately 275,000 tons of pure copper; the ore is in veins 25-30 centimeters thick.

The newly-opened deposits should be exploited promptly so that the output may be included in the 1951 plan because, according to Director Duenke (fnu) of the Mansfeld Association of People-Owned Enterprises (VVB), the old Mansfeld copper mine, located 15 kilometers from Sangerhausen, has a life expectancy of only 15 years at the present rate of exploitation. It employs 16,000 miners.

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- 2 -

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